Serial No. 10/791,088

Atty. Doc. No. 2002P18158US

Amendments to the Claims:

Please amend the claims as shown. Applicants reserve the right to pursue any canceled claims at a later date.

1. (currently amended) A method for cooling thermally stressed regions in a turbo machine, comprising:

flowing a flow medium through the turbo machine and exiting the flow medium in an exhaust-steam region during operation of the turbo machine;

flowing a portion of the flow medium from a live-steam feed line to a heat exchanger; cooling the flow medium by the heat exchanger before the flow medium enters the turbo machine by no more than 60 °C;

flowing the cooled flow medium into the turbo machine via an inflow region; and cooling the thermally stressed regions that are located in the inflow region by the flow medium that has been cooled by the heat exchanger.

- 2. (previously presented) The method as claimed in claim 1, wherein the heat exchanger is located in the exhaust-steam region of the turbo machine.
- 3. (previously presented) The method as claimed in claim 2, wherein the portion of the flow medium that enters the heat exchanger is removed downstream of a shut-off valve located in the live-steam feed line.
- 4. (previously presented) The method as claimed in claim 3, wherein the temperature of the portion of the flow medium cooled in the heat exchanger is at least 10°C below the temperature of the live steam.
- 5. (previously presented) The method as claimed in claim 3, wherein the temperature of the portion of the flow medium cooled in the heat exchanger is at least 20°C below the temperature of the live steam.

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- 6. (previously presented) The method as claimed in claim 1, wherein the portion of the flow medium cooled by the heat exchanger is passed to a thrust-compensating piston.
 - 7. (currently amended) A turbo machine, comprising:
- a live-steam feed line through which a flow medium flows and leading to a live-steam inflow region, the live-steam feed line having a branch with which part of the flow medium is passed via a line to a heat exchanger;

an exhaust-steam region; and

a feed line arranged downstream of the heat exchanger leading into an inflow region having a thrust compensating piston of the turbo machine.

wherein the entire volume of exhaust steam flows through the heat exchanger.

- 8. (previously presented) The turbo machine as claimed in claim 7, wherein the heat exchanger is arranged in the exhaust-steam region of the turbo machine.
- 9. (previously presented) The turbo machine as claimed in claim 7, wherein the livesteam feed line has a shut-off valve located upstream of the branch.
 - 10. (canceled)
- 11. (currently amended) A turbo machine having selectively cooled internal components, comprising:
- a live-feed flow line that flows a medium through a turbo machine and exits into an exhaust region;
- a branch line to extend from the live-feed line adapted to pass a greater than 10% portion of the flow medium to a heat exchanger; and
- a feed line arranged downstream of the heat exchanger leading into an inflow region of the turbo machine.
- 12. (previously presented) The turbo machine as claimed in claim 11, wherein the heat exchanger is located in the exhaust-steam region of the turbo machine.

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- 13. (previously presented) The turbo machine as claimed in claim 11, wherein the live-steam feed line has a shut-off valve located upstream of the branch.
- 14. (previously presented) The turbo machine as claimed in claim 11, wherein the feed line downstream of the heat exchanger supplies flow to a thrust-compensating piston.